"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

ACCESSION NR: AP4016844

'structure carbon black, developed only since 1962, which is used in mixtures with the stereospecific rubber 1,4-cis-polybutadiene. The present paper describes the work on a semi-industrial installation for the preparation of different kinds of carbon black from petroleum raw material available in Rumania, by the "tangential flame reactor with precombustion" procedure. A new design has been adopted for the furnace, considered an improvement over the ones reported in the literature. The cylindrical furnaces have interior lining made of refractory and thermoisolating brick. Liquid raw material is introduced through an axial burner together with a slight excess of air. A number of tangentially oriented burners supply the fuel (methane gas) with a supplemental amount of air. The following parameters have been changed: the ratio raw material: air, temperature, the flow of liquid raw material, flow of methane, ratio of air introduced through the axial and tangential burners. The qualities obtained replace successfully the "contact" type obtained from natural gas, are obtained more economically with lower specific consumption and smaller investments. Tires made with the carbon black obtained by this procedure have a 20-30% longer road-life.

ASSOCIATION: none

SUBMITTED: 16Apr64	DATE ACQ: 12Mar64	ENCL: 00
SUB CODE: CH	NO REF SOV: 006	OTHER: 014

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERK, Otto.

To the bitter end in Stalingrad (continuation). Nasli vesti 9 no.36:6-7 Ag '53. (MLRA 6:7)

(Stalingrad, Battle of, 1942-1943)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERK, Otto.

To the bitter end in Stalingrad (conclusion). Nashi vesti 9 no.37:6-8 Ag '53. (MLRA 6:7)

(Stalingrad, Battle of, 1942-1943)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

CHMELO, K.; MERKA, J.

On the toxicity of vitamin K (experimental part). Cesk. pediat. 14 no.8:741-745 Aug 59.

1. Z detskeho oddelenia OUNZ I. Mikulas, prednosta MUDr. K. Chmelo.
(VITAMIN K, toxicol.)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKA, Jan; CHMELO, Kornel

Course of influenza (1957) in the newborn. Cas. lek. cesk. 98 no.34:1077-1081 21 Aug 59

1. Detske odd. OUNZ Lipt Mikulas, prednosta prim. dr. Kornel Chmelo.
(INFLUENZA, in inf. & child)
(INFANT NEWBORN, dis.)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

HORANSKY, V.; MERKA, J.; HLAVCO, J.; SOLTES, L.

Chronic generalized tuberculous lymphadenitis (Leitner) in a 10-year-old girl. Cesk.pediat.16 no.3:245-248 Mr '61.

1. Detske odd. OUNZ v Lipt.Mikulasi, prednosta MUDr. V.Horansky.
(TUBERCULOSIS LYMPH NODE in inf & child)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKA, J.; HORANSKY, V.

A new technic for the management of the umbilicus in staphylococcal infections. Cesk.pediat.16 no.3:269-273 Mr '61.

1. Novorodenicke oddelenie OUNZ v L. Mikulasi, prednosta MUDr. V. Horansky.
(UMBILICUS)
(INFANT NEWBORN dis)
(STAPHYLOCOCCAL INFECTIONS in inf & child)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

HORANSKY, V.; MERKA, J.; Technicka spolupraca BRTAN, F.

Emergency tables for children's wards. Cesk. pediat. 17 no.4:363-364 Ap '62.

1. Detske odd. OUNZ v Lipt. Mikulasi, prednosta MUDr. V. Horansky.

(PEDIATRICS hosp & clin) (EMERGENCIES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

HORANSKY, V.; SOLTES, L.; THOLT, R.; HLAVCO, J.; MERKA, J.

Staphylococcal empyema as a complication of morbilli. Cesk. pediat. 18 no.1:23-25 Ja '63.

1. Detske oddelenie OUNZ v Liptovskom Mikulasi, prednosta MUDr. V. Horansky Infekcne oddelenie OUNZ v Liptovskom Mijulasi, prednosta MUDr. R. Tholt.

(MEASLES) (STAPHYLOCOCCAL INFECTIONS RESPIRATORY)
(EMPYEMA)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 46930-65 EPR/T/EWP(t)/EWP(v)/EWP(k)/EWP(b)/EWP(l)/EWP(h) Pf-4 JD
ACCESSION NR: AP5015107 CZ/0057/64/000/009/0425/0431

20
B

AUTHOR: Merka, Pavel(Engineer)

TITLE: Service life of ganister roofs in open hearth furnaces

SOURCE: Hutnik, no. 9, 1964, 425-431

TOPIC TAGS: metallurgic furnace

Abstract: A mathematical and statistical analysis is made of the effect of the quality of ganister and other factors on the service life of ganister roofs. Results of the investigation are compared with foreign requirements. Data collected are used to determine the quality standards of ganister for open-hearth furnace roofs, and a critical evaluation is made of the Czechoslovak Standard No 72 6405. Orig. art. has 3 figures, 6 graphs, and 3 tables.

ASSOCIATION: VZKG, Ostrava

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 001 OTHER: 014 JPRS

Card 1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 44770-65 EWP(b)/EWP(t) JD

ACCESSION NR: AP5015033 CZ/0057/64/000/011/0539/0542

AUTHOR: Merka, Pavel (Engineer)

TITLE: Influence of chemical composition and certain production factors on the service life of molds

SOURCE: Hutnik, no. 11, 1964, 539-542

TOPIC TAGS: metal casting, steel

Abstract: This article reports on the consumption of molds in steel plants. An investigation was made of the influence of the contents of carbon, silicon, manganese, phosphorus and sulfur and the influence of the composition of the charge on the service life of molds. Of production factors, the only available information was the period of aging of the molds and the number of castings per mold per day. Orig. art. has 3 figures, 9 graphs, and 2 tables.

ASSOCIATION: VZKG, Ostrava

Card 1/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 44770-65

ACCESSION NR: AP5015033

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 004 JPRS

Card 2/2 mb

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 21450-66 EWP(t) JD

ACC NR: AP6011965 SOURCE CODE: CZ/0057/65/000/003/0113/0116

AUTHOR: Merka, Pavel (Engineer)

ORG: VZKG, Ostrava

TITLE: Construction of square forms for unstilled steel

SOURCE: Hutnik, no. 3, 1965, 113-116

TOPIC TAGS: metal casting, metallurgy

ABSTRACT: The life of a square form as compared to other types of forms is evaluated. Changes in construction of casting forms that occurred since 1937 are discussed, and the influence of these changes upon the life of the forms is evaluated. Tests made with forms provided with extended outside surfaces, and with forms having reinforcing steel bands are described. The influence of the conical shape of the forms is evaluated. Good construction of the forms can reduce their consumption to below 10 kg/ ton, from the present figure of 15 - 35 kg/ ton. Experimental results showed a reduction from 16.5 kg/t to 9.6 kg/t. Orig. art. has: 8 figures and 1 table. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 003 / SOV REF: 003

rimmed steel

Card 1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

CZECHOSLOVAKIA / Pharmacology and Toxicology. Medicinal Plants. V-8

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80638

Author : Merka, Vladimir
Inst : Not given
Title : Use of Fruits of Hyppophae rhamnoides L. for Medicinal Purposes

Orig Pub : Vojenske zdravotn. listy, 1956, 25, No 11, 528-529

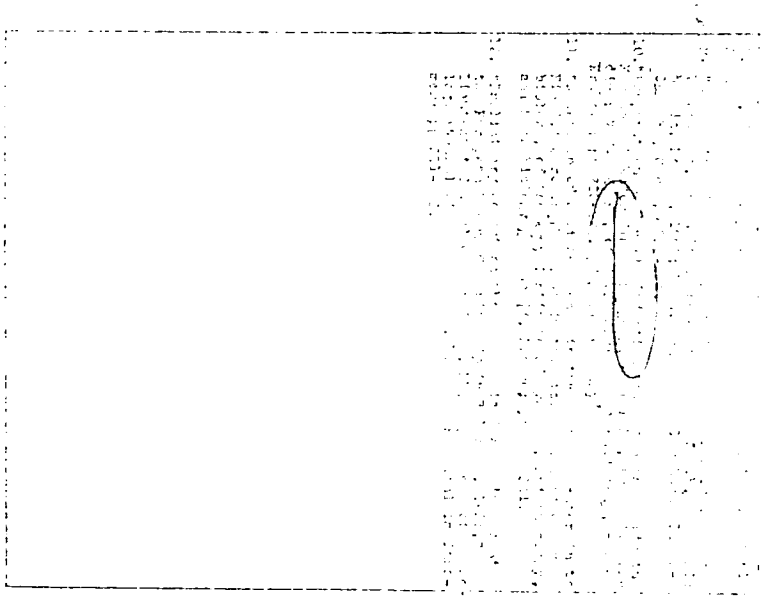
Abstract : It is established that in the fruits of H. rhamnoides there is contained 2.8-7.8% oil, 272.5 mg% of vitamin C, 0.016-0.035 mg% of vitamin B_1, 0.030-0.056 mg% of vitamin B_2, 8 mg% of vitamin E, 1.1-10.9 mg% of carotin. The seed of the fruit contains 10-12% oil, 0.3 mg% of carotin, 0.28 mg% of vitamin B_1, 0.38 mg% of vitamin B_2, 14.3 mg% of vitamin E. The oil possesses an epithelizing and anesthetizing effect and is used with success in gynecological practice, for the treatment of slow-healing wounds, and in radiation sickness.

Card 1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKIT, V.



APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKA, V

CZECHOSLOVAKIA

Lt Col MD M. HASMAN, Major RNDr PhMr V. MERKA, Chair (Katedra) CTZS VLVHC JEvP [abbreviation not identified; a military branch of the University J.EvPurkyne in Brno?]; Head (Nacelnik) Lt Col MD Karel SLEZAK.

"Medical Evacuation Equipment and Trends of its Development Abroad."

Prague, Vojenske Zdravotnicke Listy, Vol 31, No 5, Oct 62; pp 228-230.

Abstract: All about stretchers. Comprehensive review of published literature regarding various types of stretchers and auxiliary facilities, and procedures for mass casualty evacuation, with discussion of various technical details. Illustration of stretcher handles; 16 Western, 1 Soviet and 2 Czech references.

1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKA,V.; SKALA,E.; PESAK,M.; MELICHAR,M.; SANDA, M.

Cleaning transfusion bottles with detergents. Cesk. farm. 12 no.8:411-416 0'63.

1. Vojensky lekarsky vyzkumny a doskolovaci ustav, Hradec Kralove; Ustredni vojenska nemocnice, Praha; Lekarska fakulta PU, Olomouc.

*

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKA, V.; SITA, F.; ZIKES, V.

Performic and perpropionic acids as disinfectants in comparison with peracetic acid. J. hyg. epidem. (Praha) 9 no.2:220-226 '65.

1. The Army Medical Research and Postgraduate J.E. Purkyne Institute, Hradec Kralove.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

CZECHOSLOVAKIA UDC 613.488:615.777(595.7)-085.523-073.176

KYNTERA, Frantisek; MERKA, Vladimir; RADVAN, Rostislav; VLVDU JEP /Abbreviations not explained/ and Medical Faculty, Charles University (Lekarska Fakulta KU), Hradec Kralove.

"Residual Effect of Fabrics Impregnated with Insecticides."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 4, Aug 66, pp 166 - 169

Abstract /Authors' English summary modified/: The effect of fabrics impregnated with insecticides was tested on lice (Pediculus humanus corporis). The most effective insecticide was found to be the gamma isomer of lindane in solution; other insecticides tested were in a decreasing line of efficiency: a mixture of DDT and lindane; DDT; emulsion of lindane with delayed fixation; "Fosfotion" (ethoxycarbonyl-ethyl-dithiophosphate). The relative efficiency of these insecticides did not change after 7 years of storage, and they lost only 3-5% of their efficiency. The optimum amount of insecticide used seems to be an amount of 1.5-3% of the weight of the dry fabric. 3 Figures, 2 Tables, 5 Western, 3 Czech, 1 Russian, 3 Polish references.
1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MICROBIOLOGY

CZECHOSLOVAKIA/HUNGARY UDC 614.777-078:542.67

BIRO, Gyorgy, GECK, Peter; MERKA, Vladimir; Health Service of the Hungarian Peoples Army, Budapest [Original version not given]; J.E. Purkyne Military Medical Research and Postgraduate Training Institute (Voj. Lek. Vyzk. a Doskol. Ustav), Hradec. Kralove.

"The Use of Membrane Filters of Different Production for Microbiological Examination of Water and in the Phage Technique"

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 4, Aug 66, pp 177-179

Abstract: Filters produced in Western Germany (Co 5) and of Czechoslovak manufacture (HUFS and VUFS) were compared in the determination of bacterium coli index in water, in the proof of enteral bacteria by the haptene flocculation method, and in the sterilization filtration of phage suspensions. The filtration efficiency of the products is identical, but the Czechoslovak products have a lower rate of filtration, and their regeneration is more difficult. 1 Table, 19 Western, 7 Czech, 1 Russian, 2 Hungarian, 1 Polish reference.

1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 05852-67 EWP(j) RM

ACC NR: AP6031139 SOURCE CODE: CZ/0060/66/000/004/0166/0169

AUTHOR: Kyntera, Frantisek (Lieutenant colonel; Doctor of medicine; Candidate of sciences); Merka, Vladimir (Lieutenant colonel; Doctor of natural sciences; Pharmacist); Radvan, Rostislav (Doctor of natural sciences; Candidate of sciences)

ORG: VLVDU; Medical School KU, Hradec Kralove

TITLE: Residual effect in fabrics impregnated with insecticides

SOURCE: Vojenske zdravotnicke listy, no. 4, 1966, 166-169

TOPIC TAGS: insecticide, impregnated fabric, long term storage

ABSTRACT: The authors intended to verify the possibility of long-term storage of fabrics impregnated with insecticides. They used DDT, HCH, and phosphothion in their tests. The most effective insecticide was found to be the γ-isomer HCH, then, in order of their effectiveness, a mixture of DDT and γ-isomer HCH, DDT, HCH, and last, phosphothion. This order remained unchanged in tests of fabrics impregnated seven years ago and stored. The effectiveness of the insecticide was reduced by only 3--5%, which proved that even long-term storage does

Card 1/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 05852-67
ACC NR: AP6031139

not impair the effectiveness of fabrics impregnated with insecticides. The best concentration of insecticide was found to be 1.5--3% of the weight of the dry fabric. Orig. art. has: 3 figures and 2 tables. [W.A.50] [KS]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 003/ SOV REF: 001/ OTH REF: 008/

Card 2/2 egk

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKADER, L. P.

Merkader, L. - "Extra high frequency triode tube amplifier with a grounded grid," Trudy Studench. nauch.-tekhn. o-va (Mosk. energet. in-t im. Molotova), Issue 2, 1948, p. 9-19

SO: U-4355, 14 August 53, (Letopis 'Zhurnal, 'nykh Statey, No. 15, 1949)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKADER, L.P.

Review and bibliography ("Frequency modulation; theory and application in radio relay lines" by J. Fagot and P. Magne. Reviewed by L.P. Merkader). Radiotekh. i elektron. 5 no.11:1876 N '60. (MIRA 13:11)

(Radio frequency modulation) (Radio relay systems)
(Fagot, J.) (Magne, P.)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

LEVIN, B.R.; MAKSIMOV, Yu.P.; MERKADER, L.P.

Crosstalk resulting from simultaneous transmission of television and telephone communications along the same lines. Elektrosviaz' 14 no.4:49-61 Ap '60. (MIRA 13:6)
(Telephone) (Television--Interference)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

McRKalov NZ

Mercalov, N. I. The problem of the motion of a solid body, having a fixed point, for $A=B=4C$ and the area integral $\neq 0$. Bull. Acad. Sci. URSS. Cl. Sci. Tech. [Izvestia Acad. Nauk SSSR] 1946, 697–701 (1946). (Russian)

L'auteur étudie le problème classique du mouvement d'un solide S, soumis à l'action de la pesanteur seule et dont le point O est fixe. Il construit une solution approchée des équations d'Euler, en particularisant l'ellipsoïde d'inertie Σ de S en O ainsi que les conditions initiales. Avec les notations classiques, il admet que: (1) $A=B=4C$, (2) le centre de gravité de S est dans le plan équatorial de Σ, (3) $p_0=q_0=0$. La constante des aires n'est pas supposée nulle. L'auteur espère réaliser un gyroscope propre à servir au contrôle expérimental des lois de mouvement qu'il a trouvées.

J. Kravtchenko (Grenoble).

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SMW

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKALOV, N.I.

Mathematical Reviews
Vol. 14 No. 11
December, 1953
Mechanics.

*Mercalov, N. I. Teoriya prostranstvennyh mehanizmov. [The theory of spatial mechanisms.] Pp. 3–124, 195–199. Gosudarstv. Naučno-Tehn. Izdat. Mašinostroit. Lit., Moscow, 1951. 205 pp. 11.40 rubles.

The title of this book is misleading. In reality, the book is a posthumous collection of nine of Mercalov's papers of which the six first ones (124 pp.) deal with mechanisms, while three (76 pp.) do not. Moreover, the part dealing with mechanisms is partly concerned with plane kinematics or quite elementary theorems of spatial kinematics. Papers 7 and 8 (pp. 125–194) concern the hydrodynamic theory of lubrication and are reviewed separately [these Rev. 14, 1139].

The first paper (12 pp.) deals with the determination of the position of a skew seven-bar linkage by means of descriptive geometry. The second is a three-page remark on the velocity distribution in a seven-bar chain. The third paper pp.) is mostly expository and has been compiled from the author's 1920–21 lectures on space kinematics by one of his students. It contains some further remarks about seven-bar space linkages. Papers four and five (40 pp.) treat gears with skew axes, and are mostly expository. Paper six

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(6 pp.) suggests how to use a chain belt to produce a variable transmission ratio between two parallel axles (when unround gears are inconvenient).

The ninth paper (5 pp.) considers the motion of a rigid body with a fixed point at which $A = B = 4C$, the mass center being located in the equatorial plane of the inertial ellipsoid. He derives two equations for $\omega = (p^2+q^2)^{1/2}$ and q, containing the energy constant and the constant vertical momentum component, from the energy equation and the vertical momentum equations. One of these equations is integrable again if $A = 4C$, and an equation for ω alone can be obtained. The approximate solution for q and ω by means of a two-term polynomial in $\xi = \int p dt$ is given. [The dependence of ξ on t will have to be determined by another integration.]

A. W. Wundheiler (Chicago, Ill.).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKALOV, N.I.

*Mercalov, N. L. Izbrannye trudy. Tom I. Prikladnaya mehanika. [Selected works. Vol. I. Applied mechanics.] Gosudarstv. Naučno-Tehn. Izdat. Mašinostroit. Lit., Moscow, 1952. 368 pp. (2 plates). 10 rubles.

This volume contains Mercalov's lectures on "The general theory of mechanisms" (1904) and on "The general theory of machines" (1914).

10/2 7/54

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MEKAS, Zlatko, dr.; BEKERUS, Milos, dr.

Clinical analysis of 127 cases of cancer of the lower lip treated from 1951-1952. Srpski arh. celok lek. 82 no.9:1062-1068 Sept 54.

1. Radioloski institut Medicinskog fakulteta u Beogradu, upravnik prof. dr. Stojan Dedic.

(LIPS, neoplasms
of lower, radiother.)
(RADIOTHERAPY, in various dis.
cancer of lower lip)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko; BEKERUS, Milos

Clinical picture and classification of lingual cancer. Srpski arh. celok. lek. 84 no.5:630-637 May 56.

1. Radioloski institut Medicinskog fakulteta u Beogradu. Upravnik: prof. dr. Stojan Dedic.
(TONGUE, neoplasms, classif. & clin. aspects (Ser))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlasko

Possibility of radiocobalt teletherapy of malignant tumors. Srpski arh. celok. lek. 87 no.1:77-82 Jan 59.

1. Radioloski institute Medicinskog fakulteta u Beogradu Upravnik: prof. dr Bogoljub Bosnjikovic.
(NEOPLASMS, ther.
radiocobalt telether. (Ser))
(COBALT, radioactive,
ther. of cancer, telether. (Ser))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko

Clinical use of the beta-ray applicator. Srpski arh. celok. lek. 87 no.6:544-549 Je '59.

1. Radioloski institut Medicinskog fakrlteta u Beogradu, upravnik: prof. dr Bogoljub Bosnjakovic.
(RADIOTHERAPY)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko; BEKERUS, Milos

5-year results of radiological therapy of vervical cancer.
Srpski arh. celok. lek. 87 no.10:905-911 O '59.

1. Radioloski institut Medicinskog fakulteta u Beogradu,
upravnik: prof. dr Bogoljub Bosnjakovic.
(CERVIX NEOPLASMS radiother.)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko

Melanoma maligmum portionis vaginalis uteri. Srpski arh. celok. lek. 87 no.11:1046-1049 N '59.

1. Radioloski institut Medicinskog Fakulteta u Beogradu, Upravnik: prof. dr Bogoljub Bosnjakovic.
(CERVIX NEOPLASMS case reports)
(MELANOMA case reports)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

BOSNJAKOVIC, Bogoljub, prof. dr.; MERKAS, Zlatko, doc.dr.; BEKERUS, Milos, dr.

Our preliminary results of the treatment with Sr90. Med.glasn. 14 no.5:257-259 My '60.

1. Radioloski institut Medicinskog fakulteta u Beogradu (Upravnik: prof. dr B.Bosnjakovic)
(STRONTIUM radioactive)
(NEOPLASMS radiother)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Z., doc., dr.

Teleradiotherapy with radioactive cobalt. Med. glasn. 14 no.11: 510-512 N '60.

1. Radioloski institut Medicinskog fakulteta u Beogradu (Upravnik: prof. dr B. Bosnjakovic).

(COBALT radioactive) (NEOPLASMS radiother)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko; BEKERUS, Milos; BOZIC, Radovan

Plastic induration of the penis. Srpski arh. celok. lek. 88 no.9: 881-885 S '60.

1. Radioloski institut Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Bogoljub Bosnjakovic.

(PENIS dis)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko; BEKERUS, Milos; PENDIC, Smilja

Radioactive iodine in the treatment of thyroid cancer. Srpski arh. celok. lek. 88 no.10:1005-1009 O '60.

1. Radioloski institut Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Bogoljub Bosnjakovic.

(IODINE radioactive) (THYROID GLAND neopl)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

PENDIC, S.; MERKAS, Z.; BEKERUS, M.; NESTOROVIC, N.

Quantitative studies on erythropoiesis in malignant diseases irradiated by therapeutic doses of ionizing radiations. Prim. radioaktiv.izotop. 2 no.3:36-44 D '61.

1. Radioloski Institut Medicinskog fakulteta u Beogradu Upravnik Prof. Dr. B. Bosnjakovic.
(CHROMIUMISOTOPES) (ERYTHROCYTES) (RADIOTHERAPY)
(NEOPLASMS) (HEMATOPOIESIS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko

Ocular radioactive strontium applicators and indications for their use. Srpski arh. celok. lek. 89 no.1:77-81 Ja '61.

1. Radioloski institut Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Bogoljub Bosnjakovic.

(OPHTHALMOLOGY radiother) (STRONTIUM radioactive)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKAS, Zlatko; BEKERUS, Milos; PARUNOVIC, Milutin

Therapeutic results in carcinoma of the penis. Srpski arh. celok. lek. 89 no.3:329-333 Mr '61.

1. Radioloski institut Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Bogoljub Bosnjakovic.

(PENIS neopl)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

BOSNJAKOVIC, Bogoljub; PODVINEC, Srecko; MERKAS, Zlatko

Telecobalt therapy in otorhinolaryngology. Srpski arh. celok. lek. 91 no.3:283-288 Mr '63.

1. Radioloski institut Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr Bogoljub Bosnjakovic Klinika za uvo, nos i grlo Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr Srecko Podvinec.

(RADIOISOTOPE TELETHERAPY)
(COBALT ISOTOPES)
(LARYNGEAL NEOPLASMS)
(NEOPLASM RADIOTHERAPY)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

ALADYEV, I. T.; POVARNIN, K. P.; MALKINA, L. I.; MERKEL, E. Yu.

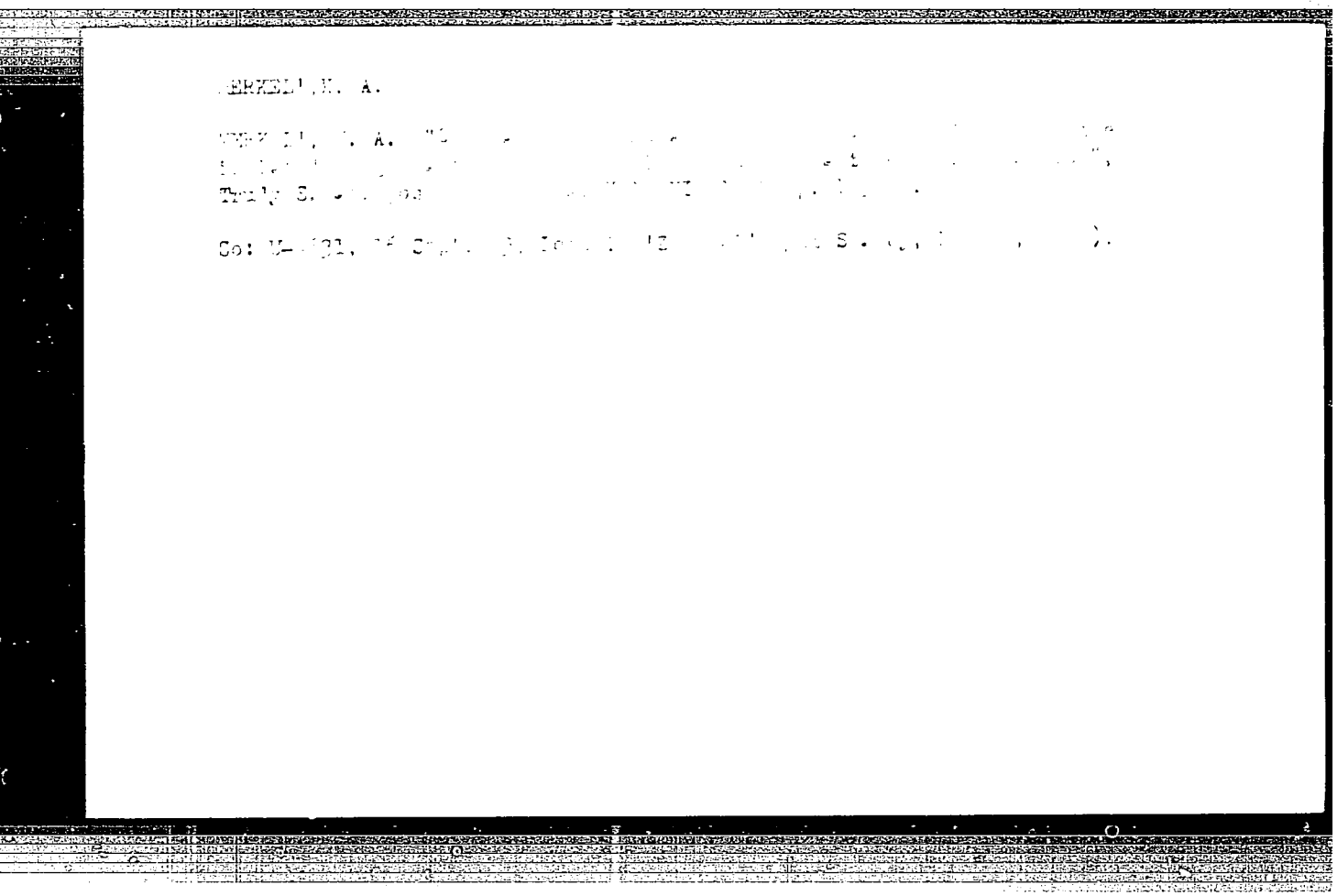
"Investigation of the cooling properties of ethyl alcohol at pressures to 800 ATM."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

G. M. Krzhizhanovskiy Power Inst.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103



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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

POLAND / Microbiology. General Microbiology. Physiol- F
ogy and Biochemistry.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5490.

Author : Kwapinski, J., Merkel, M.
Inst : Polish Academy of Sciences.
Title : Investigations into the Chemical and Antigenic Structure of the Genus Streptomyces. I. The Chemical Structure of Streptomyces griseus.

Orig Pub: Bull. Acad. polon. sci., 1957, Cl. 2, 5, No 10, 335-340, XLIII.

Abstract: Using different methods of extraction, the cells of four strains of S. griseus were divided into 41 fractions (9 lipoid, 21 polysaccharide and 11 nucleoprotein). Lipoid fractions contained 0.1-0.5% of phosphorus and from 1 to 4 higher fatty acids, viz., palmitic, stearic, oleic and an acid with Rf 0.17. In polysaccharide fractions, 0.35-

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

POLAND / Microbiology. General Microbiology. Physiol- F
ogy and Biochemistry.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5490.

Abstract: 4.73% of nitrogen and 23-97% of sugars were found, including glucose, mannose, arabinose, xylose and rhamnose in various combinations. Nucleoprotein fractions contained 2.59-12.62% of nitrogen and 25-78% of protein. From the cells of Actinomyces, 16 different acids were extracted, one of which, with Rf 0.93, was characteristic of strains of S. griseus.

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKEL, M.

Investigations on the chemical structure of the genus Achorion. II. Chemical structure of Achorion quinckeanum. Bul Ac Pol biol 7 no.12: 501-505 '59. (EEAI 9:12)

1. Department of Microbiology, School of Medicine, Warsaw. Presented by E.Mikulaszek.
(ACHORION QUINCKEANUM)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

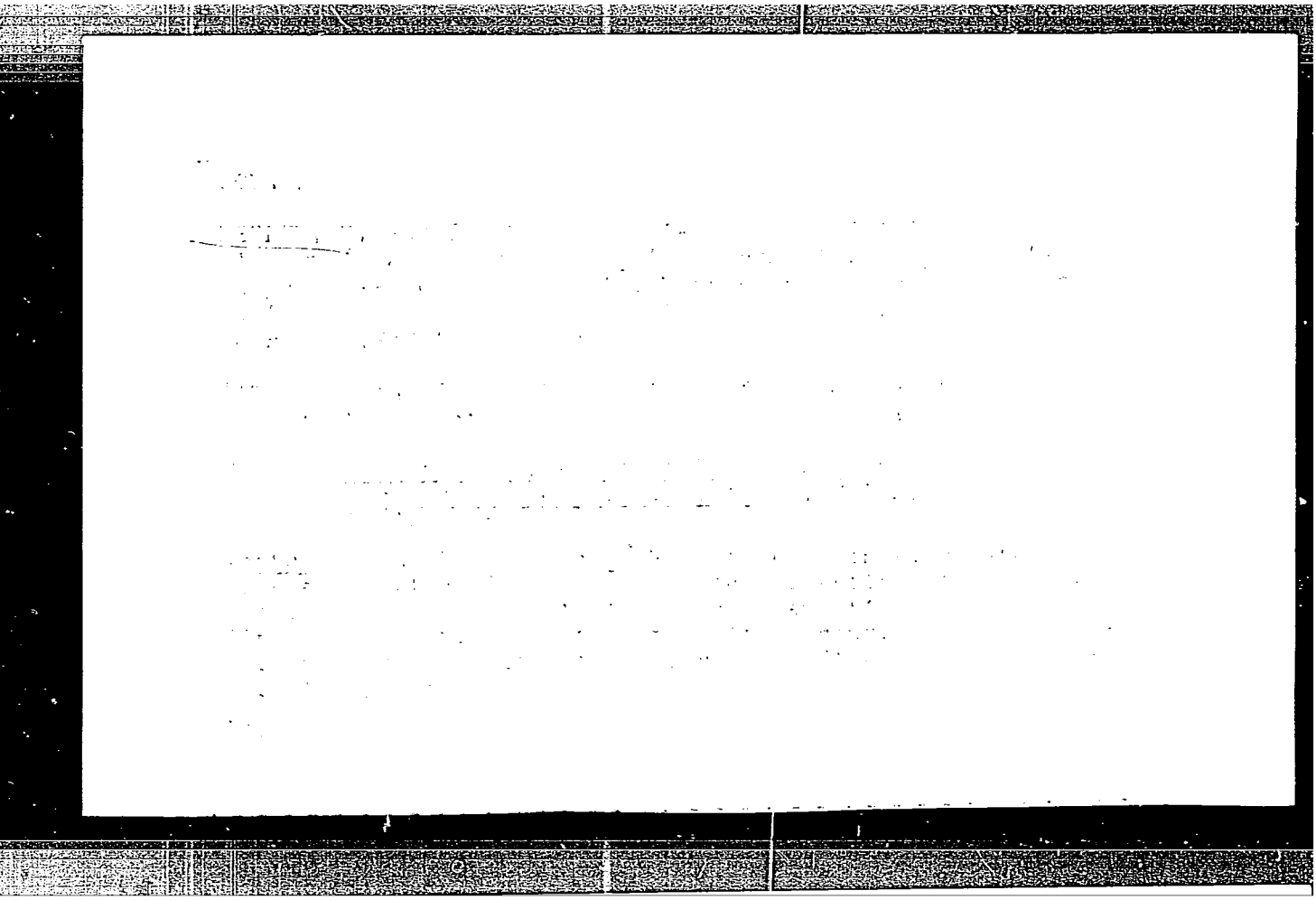
MERKEL, M.; ZAWADOWSKA, I.

Studies on the effects of some nitrophenoxyacetic and alpha- and beta-(nitrophenoxy) propionic derivatives on fungi pathogenic to man. Bul Ac Pol biol 10 no.2 43-49 '62.

1. Department of Medical Microbiology, School of Medicine, Warsaw, and Department of Organic Chemistry, Pharmaceutical Faculty, School of Medicine, Warsaw. Presented by E.Mikulaszek.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103



APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

ZAWADOWSKI, Teodor; MERKEL, Mieczysław; SZCZNIK, Andrzej; ŚWIDERSKI, Jan

Research on compounds with antimycotic activity. VI. Roczn chemii 36 no.5:895-902 '62.

1. Department of Organic Chemistry, Medical Academy, Warsaw, Department of Medicinal Microbiology, Medical Academy, Warsaw, and Department of Organic Chemistry, University, Warsaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

1,869

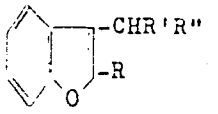
S/081/62/000/024/049/073
B106/B186

AUTHORS: Zawadowski, Teodor, Markel, Mieczysław, Szuchnik, Andrzej, Świderski, Jan

TITLE: Investigation of compounds with fungicidal properties. VI. Synthesis of some derivatives of 1,1,1-trichloro-2-hydroxy-3-(carboxy-methoxy-benzofuryl-3')-propane

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 361, abstract 24Zh276 (Roczn. chem., v. 36, no. 5, 1962, 895 - 902 [Eng.; summaries in Pol. and Russ.])

TEXT:



Xa R = R' = H, R" = $CH(OH)CCl_3$;
b R = NO_2, R' = H, R" = $CH(OH)CCl_3$;
c R = NH_2, R' = H, R" = $CH(OH)CCl_3$;
d R = R' = H, R" = $CH(Cl)CCl_3$;
e R = H, R' + R" = $CHCCl_3$.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

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Investigation of compounds with ...

To study their fungicidal properties, 6-carboxy-methoxy- and 5-carboxy-methoxy-3-methyl-benzofuran (I and II), as well as 3-(6'-carboxy-methoxy-benzofuryl-3')- and 3-(5'-carboxy-methoxy-benzofuryl-3')-1,1,1-trichloro-2-hydroxy-propane (III and IV) were synthesized. 2,4-di-(carboxy-methoxy)-, 2-hydroxy-4-carboxy-methoxy-, 2,5-di-(carboxy-methoxy)- and 2-hydroxy-5-carboxy-methoxy-acetophenone (VI-IX) were obtained by boiling the Na salts of 2,4-dihydroxy-acetophenone (V) and of 2,5-dihydroxy-acetophenone with $ClCH_2COONa$; compounds VI and VIII gave, with $(CH_3CO)_2O$, I and II. A biological investigation of the compounds I-IV, VI-IX, and further of (Xa-e) showed that the introduction of the $HOOCCH_2O$ group does not change the antimycotic properties. A mixture of 0.2 mole of NaOH in 20 ml of water, 0.4 mole of $ClCH_2COONa$ in 150 ml of water, and 0.1 mole of V is heated for 1 hr, alkalized with 30 % NaOH, and boiled for 3 hrs. VI, $C_{12}H_{12}O_7$, m.p. 220°C (from water), and VII, $C_{10}H_{10}O_5$, m.p. 159°C (from water) are separated by acidification. VIII, $C_{12}H_{12}O_7$, yield 50 %, m.p. 202°C (from water), and IX, $C_{10}H_{10}O_5$, m.p. 147°C (from water) were ob-

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tained in the same way. Boiling of 0.1 mole of V and 0.2 mole of NaOH in 30 ml of water with 0.15 mole of $ClCH_2COONa$ in 40 ml of water (5 hrs) gave VII. IX was obtained similarly in 15 % yield. 3.5 g VII, 2 g $CH_3COOC_2H_5$ and 1.3 g Na are boiled for 1 hr, 2 g $CH_3COOC_2H_5$ is added to the comminuted precipitate, boiled for 30 min, the solvent is removed, the residue is treated with 5 ml of CH_3COOH, 1 ml of $(CH_3CO)_2O$ and 1 ml of conc. HCl, boiled for 30 min and diluted with water (1:10). 2-methyl-7-carboxy-methoxy-chromone, $C_{12}H_{10}O_5$, yield 37 %, m.p. 276°C (from alcohol) is obtained; the analogous chromone could not be obtained from IX. 0.1 mole of VI, 0.5 mole of $(CH_3CO)_2O$ and 5 g CH_3COONa are boiled for 1 hr, diluted with water and evaporated to dryness. This gives I, yield 70 %, m.p. 142°C (from water). II, $C_{11}H_{10}O_4$, yield 70 %, m.p. 160°C (from water) was obtained similarly. A mixture of 0.01 mole of I in $CH_3C_6H_5$-petroleum ether (1:1, b.p. 90°C) and 0.015 mole of CCl_3CHO is boiled for 20 hrs (120°C), and III is isolated, $C_{13}H_{11}Cl_3O_5$, yield 40 %, m.p. 152°C (from $CH_3C_6H_5$). IV, $C_{13}H_{11}Cl_3O_5$, yield 40 %, m.p. 97°C

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Investigation of compounds with ... S/081/62/000/024/049/073
B106/B186

(from water) is obtained from 0.6 g II, 1.2 g CCl_3CHO and 0.05 g CH_3COONa in 5 ml $CH_3C_6H_5$ (ampul, 130-136°C, 10 hrs). For communication V see RZhKhim, 1961, 4Zh145. [Abstracter's note: Complete translation.]

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKEL, M.; ZAWADOWSKA, I.

The action of some derivatives of phenoxyacetic and phenoxypropionic acids on fungi pathogenic to man. Bul Ac Pol biol 10 no. 12:501-504 '62.

1. Department of Medical Microbiology, School of Medicine, Warsaw and Department of Organic Chemistry, Pharmaceutical Faculty, School of Medicine, Warsaw. Presented by E. Mikulaszek.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

ZAWADOWSKI, Teodor; MERKEL, Mieczyslawa; SZUCHIK, Andrzej; SWIDERSKI, Jan

Search for compounds with antimycotic activity. Pt.7. Rocz chemii 36 no.12:1775-1779 '63.

1. Department of Organic Chemistry, Medical Academy, Warsaw, Department of Micriobiology, Medical Academy, Warsaw, and Department of Organic Chemistry, University, Warsaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

KURYLOWICZ, Wlodzimierz; BURACZEWSKA, Maria; KOSTRZENSKI, Wladyslaw; KULEJEWSKA, Magdalena; MANOWSKA, Wanda; MERKEL, Mieczyslawa; PICHULA, Krystyna, PAKLERSKA-POBRATYN, Hanna; TUSZYNSKA, Barbara.

Comparative studies on BCG substrains of various origin. Observations on the streptomycin and isonicotinic acid hydrazide-sensitive and resistant variants of the Brazilian Moreau substrain. Arch. immun. ther. exp. 12 no.2:182-195 '64

1. Department of Microbiology, Institute of Tuberculosis, Warsaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

SANDULA, J.; HENKEL, M.

Chemical structure of Candida albicans. Bull. acad. Pol. sci. [Biol.] 13 no.8:463-468 '65.

1. Submitted March 30, 1965.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKEL', Mikhail Arkad'yevich; MENDELEV, L.M., redaktor; VASIL'YEV, L.V., redaktor; RAKOV, I.S., tekhnicheskiy redaktor

[Carpenter] Plotnik-opalubshchik. Izd.3-e perer. i dop. Moskva, GVsses.uchebno-pedagog.izd-vo Trudrezervizdat, 1955. 235 p.
(Carpentry) (MLRA 9:1)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKEL', M.A., kand.tekhn.nauk, dotsent

Development of modern wooden construction elements. Sbor. nauch. trud. LISI no.3:7-25 '59. (MIRA 13:7)
(Building, Wooden)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

KOL'YANENKO, L.M. (Moskva); MERKOVA, M.A. (Moskva); VIKTURINA, V.P. (Moskva); SIVERIKOVA, I.Ye. (Moskva)

Problem of the causes of errors in the diagnosis of chronic radiation sickness. Trudy TSentr. nauch.-issl. inst. rentg. i rad. 11 no.1:270-278 '64. (MIRA 18:11)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MIKHAL'SKIY, Vladislav Nikolayevich; POFALITOV, Anufriy Pavlovich; MERKEL', Ya.P., inzh., retsenzent; BRAYLOVSKIY, N.G., inzh., red.; USENKO, L.A., tekhn. red.

[Organization of the conveyer method of car repairs; experience of the Stryy Railroad Car Repair Plant] Organizatsiia konveiernogo metoda remonta vagonov; opyt Stryiskogo vagonoremontnogo zavoda. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 79 p. (MIRA 15:2)

(Stryy--Railroads--Repair shops)
(Assembly-line methods)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

CHERNYSHEV, Pavel Nikolayevich; SOROKA, Arsentiy Kirillovich; NALIVAYKO, Petr Nikolayevich; MERKEL', Ya.P., inzh., retsenzent; BRAYLOVSKIY, N.G., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Repair of cars on a conveyor; the experience of Kanash, Darnitsa, Borisoglebsk, and Nizhnedneprovsk car repair shops]Remont vagonov na konveyere; opyt Kanashskogo, Darnitskogo, Borisoglebskogo i Nizhnedneprovskogo vagonoremontnykh zavodov. Moskva, Transzheldorizdat, 1962. 155 p. (MIRA 16:1)
(Railroads--Repair shops)
(Assembly-line methods)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

ALAD'YEV, I.T., doktor tekhn. nauk; POVARNIN, P.I., doktor tekhn. nauk; MERKEL', Ye.Yu., kand. tekhn. nauk; MALKINA, L.I., kand. tekhn. nauk

Study of the cooling properties of ethyl alcohol at $p \leqslant 300$ atm. Teploenergetika 10 no.8:70-72 Ag '63. (MIRA 16:8)

1. Energeticheskiy institut im. Krzhizhanovskogo.
(Ethyl alcohol--Thermal properties)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKELOV, G.F

SERGOVANTSEV, V.T., kand.tekhn.nauk; YURASOV, V.V., kand.tekhn.nauk; ALUKER, Sh.M., kand.tekhn.nauk; ANDRIANOV, V.N., doktor tekhn. nauk; ASTAF'YEV, N.N., kand.tekhn.nauk; BUDZKO, I.A., akademik; BYSTRITSKIY, D.N., kand.tekhn.nauk; VEYALIS, B.S., kand.tekhn. nauk; GIRSHBERG, V.V., inzh.; GORSHKOV, Ye.M., inzh.; GRICHEVSKIY, E.Ya., inzh.; ZAKHARIN, A.G., doktor tekhn.nauk; ZLATKOVSKIY, A.P., kand.tekhn.nauk; IOSIPYAN, S.G., inzh.; ITSKOVICH, A.M., dotsent; KAUFMAN, B.M., inzh.; KVITKO, M.N., inzh.; KORSHUNOV, A.P., inzh.; LEVIN, M.S., kand.tekhn.nauk; LOBANOV, V.N., dotsent; LITVINENKO, A.F., inzh.; MERKELOV, G.F., inzh.; PIRKHAVKA, P.Ya., kand.tekhn.nauk; PRONNIKOVA, M.I., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; FATYUSHENKO, S.G., inzh.; KHODNEV, V.V., inzh.; SHCHATS, Ye.L., kand.tekhn.nauk; EBIN, L.Ye., doktor tekhn.nauk; ENTIN, I.A., kand.tekhn.nauk; SILIN, V.S., red.; SMELYANSKIY, V.A., red.; BALLOD, A.I., tekhn.red.; SMIRNOVA, Ye.A., tekhn.red.

[Handbook pertaining to the production and distribution of electricity in agriculture] Spravochnik po proizvodstvu i raspredeleniiu elektricheskoi energii v sel'skom khoziaistve. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 900 p. (MIRA 13:2)

1.Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Budzko).
(Rural electrification)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

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L 9799-66 EWT(l)/EWT(m)/ETC/EPF(n)-2/EWG(m)/EWP(j)/T RPL WW/JW/WE/GS/RM

ACC NR: AT6001352 SOURCE CODE: UR/0000/65/000/000/0059/0062

AUTHOR: Alad'yev, I. T.; Povarnin, P. I.; Malkina, L. I.; Merkel', Ye. Yu.

ORG: Power Institute im. G. M. Krzhizhanovskiy (Energeticheskiy institut)

TITLE: Investigation of the cooling properties of ethanol at pressures up to 800 x 9.8 x 10^4 newtons/meter^2

SOURCE: Teplo- i massoperenos. t. 1: Konvektivnyy teploobmen v odnorodnoy srede (Heat and mass transfer. v. 1: Convective heat exchange in an homogeneous medium). Minsk, Nauka i tekhnika, 1965, 59-62

TOPIC TAGS: ethanol, cooling, heat transfer

ABSTRACT: The experiments were carried out in a flow of alcohol in 1Kh18N9T stainless-steel seamless tubes with inside diameters of 0.0006 to 0.0021 meters and length to diameter ratios from 20 to 175. Tube wall temperature reached 973K, the temperature of the liquid varied from 288 to 623K, and the flow velocity of the alcohol was 5 to 60 meters/sec. The maximum specific heat fluxes reached 35 x 10^6 x 1.163 watts/meter^2. The experiments showed that heat transfer at pressures of 300 x 9.8 x 10^4 newtons/meter^2 is accompanied by thermal

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decomposition of ethanol with the formation of a coke-like deposit on the contact surface. Thermal decomposition of ethanol at a flow velocity less than 30 meters/sec starts at wall temperatures of 623-673 K and is practically independent of the liquid temperature. At higher velocities, decomposition of the alcohol is not observed even at a wall temperature of 973 K. At a pressure of 800 x 9.8 x 10^4 newtons/meter^2, thermal decomposition was not observed. In the experiments at 300 x 9.8 x 10^4 newtons/meter^2, pseudo-boiling was observed and led to an increase in the heat transfer rate. Pseudo-boiling was not observed at the pressure of 800 x 9.8 x 10^4 newtons/meter^2. In the fully developed turbulent flow of alcohol in the absence of coke formation and pseudo-boiling at a pressure equal to or greater than 300 x 9.8 x 10^4 newtons/meter^2, heat transfer to ethanol can be calculated by the laws of convective heat transfer. The data obtained satisfy the equation

$$Nu_{l_x} = 0{,}021\, Re_{l_x}^{0.8} Pr_{lg}^{0.43} \left(\frac{Pr_{lg}}{Pr_w}\right)^{0.25} \left(\frac{l_x}{d}\right)^{0.2},$$

where subscripts lg and w refer to the liquid and wall, respectively, and l_x is the length of the tube from the start of heating to the calculating section. Analysis of the experimental results shows that there exists an optimum pressure of the applied pressure at which pseudo-boiling is most developed. Further increase in pressure leads to a worsening of conditions for the formation of a new phase and the generation of pseudo-boiling. [06]

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 9799-66
ACC NR: AT6001352

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SUB CODE: 11, 07/ SUBM DATE: 31Aug65/ ORIG REF: 000/ OTH REF: 002

ATD PRESS: 4164

Card 3/3

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKER, H.; HEILMEYER, L.

Cyto-enzymatic test of alkaline phosphatase activity in the neutrophils in differential diagnosis of chronic (idiopathic) myelo-proliferative blood diseases. Cas.lek.cesk. 98 no.49/50: 1517-1521 4 D '59.

1. Universitni klinika vnitrnich chorob Freiburg i/Br., reditel prof. MUDr. dr.h.c. L. Heilmeyer
(LEUKEMIA blood)
(PHOSPHATASES blood)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKER, R.

Copper heads in enameling. Leka promishl 2 no. 9:29 '53.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKESHINA, L.G.

Deficiencies in planning and building railroad restaurants. Vop. pit. 15 no.1:53 Ja-F 856 (MLRA 9:4)

1. Iz sanitarnoy sluzhby tresta restoranov i bufetov L'vovskoy zheleznoy dorogi.
(RESTAURANTS,
plants for prep. of food for railroad restaurants in Russia)
(FOOD, PRESERVATION,
plants prep. food for railroad restaurants in Russia)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKESHINA, L.G.

Comparison of the mineral constituents of vegetables in areas where goiter is endemic. Vrach.delo no.11:1189-1191 N'58 (MIRA 12:1)

1. Kafedra gigiyeny pitaniya (zav. - prof. A.I. Stolmakova) L'vovskogo meditsinskogo instituta.
(MINERALS IN SOILS)
(GOITER)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKESHINA, L.G. (L'vov)

Problems in improving self service at public eating places. Vopr. pit. 17 no.1:84-87 Ja-F '58. (MIRA 11:4)

1. Iz kafedry gigiyeny pitaniya (zav. - prof. A.I.Stolmakova) L'vovskogo meditsinskogo instituta.
(RESTAURANTS,
self-serv. caffeterias (Rus))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERESHINA, L.G.

Use of the x-ray and ultrasonic defectoscope in the sanitary evaluation of food products. Vop.pit. 17 no.5:79-81 S-O '58 (MIRA 11:10)

1. Iz kafedry gigiyeny pitaniya (zav. - prof. A.I. Stolmakova) L'vovskogo meditsinskogo instituta.

(FOOD,
detection of glass splinters in food products by x-rays & ultrasonics (Rus))
(ROENTGENOGRAPHY,
in detection of glass splinters in food products (Rus))
(ULTRASONICS,
same (Rus))

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKESHINA, L.G.

Comparative characteristics of the mineral composition of milk in foci of endemic goiter. Vrach.delo no.10:133 O '60. (MIRA 13:11)

1. Kafedra gigiyeny pitaniya i kommunal'noy gigiyeny (zav. - prof. A.I.Stolmakova) L'vovskogo meditsinskogo instituta.
(MILK--COMPOSITION)
(GOITER)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKESHINA, L.G.

Effect of potentially acid and alkaline diets on the thyroid gland. Vop. pit. 19 no. 6:44-50 N-D '60. (MIRA 13:10)

1. Iz kafedry gigiyeny pitaniya i kommunal'noy gigiyeny (zav. - prof. A.I. Stolmakova) L'vovskogo meditsinskogo instituta.
(THYROID GLAND)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKEVICH, S.V.

In reference to an equation for the reaction kinetics of solids.
Zhur.fiz.khim. 30 no.3:688-690 Mr '56. (MLRA 9:8)

1. Akademiya nauk BSSR, Institut khimii, Minsk.
(Chemical reaction, Rate of)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

USSR / Cultivated Plants. Potato. Vegetables. Melons. M-4

Abs Jour: Ref Zhur-Biol., 19.., No 16, [illegible]2903.

Author : Merkeviciute, M.
Inst : Not given.
Title : Procurement of Early Seed Potato.

Orig Pub: Soc. Zemes Ukis, 1957, No -, 18-21.

Abstract: In 1955-1955, at the training farm of the Litovskaya Agricultural Academy, experiments were conducted to establish the influence on potato harvests of cutting and germination of tubers. A maximum harvest addition (46.7 centners/ha or 19.5%) was obtained by crosscuts in the tubers at 1 cm intervals. A greatest addition (48.1 centners/ha) to the harvest was obtained with germination of the tubers in light and keeping them in darkness for 7-10 days before planting. -- N. A. Nedvetskiy.

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MERKHALEV, N.V.

Connection between the germanium content and the petrographic composition of brown coals. Uch.zap.SAIGIMS. no.5:63-68 '61. (MIRA 15:11)

(Germanium) (Lignite--Analysis)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKHALEV, N.V.; TIMOFEYEVA, T.S.

Mineral germanium in coal ahs. Uch. zap. SAIGIMSa no.7:77-83 '62.
(MIRA 17:2)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mineral'nogo syr'ya, Tashkent.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

GERTSIK, A.K., inzhener; KALININ, Ye.V., kandidat tekhnicheskikh nauk; KORSUNTSEV, A.V., kandidat tekhnicheskikh nauk; MERKHALEV, S.D., inzhener.

Reinforced insulator strings for oberhead lines. Elektrichestvo no.3:69-72 Mr '56. (MLRA 9:6)

1.Nauchno-issledovatel'skiy institut postoyannogo toka.
(Electric insulators and insulation)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKHALEV, S.D.

Wet-discharge characteristics of insulators subjected to a d.c. voltage. Izv.NIIPT no.3:89-99 '58. (MIRA 12:1)
(Electric insulators and insulation)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

KORSUNTSEV, A.V., kand.tekhn.nauk; MERKHALEV, S.D., inzh.

Effect of pulse currents on the mechanical characteristics of the concrete in supports. Elek.sta. 29 no.8:73-76 Ag '58. (MIRA 11:11)

(Electric power distribution) (Reinforced concrete)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKHALEV, S.D., inzh.

Wet-discharge characteristics of insulators at a constant voltage. Elek.sta. 29 no.11:54-59 N '58. (MIRA 11:12)
(Electric insulators and insulation)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKHALEV, S. D., Cand Tech Sci -- (diss) "Research into wet-discharge voltage of insulators under the influence of constant voltage." Leningrad, 1960. 13 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Polytechnic Inst im M. I. Kalinin); 150 copies; price not given; (KL, 25-60, 133)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKHALEV, S.D., inzh.

Discharge characteristics of dirty insulation. Elek.sta. 31 no.5:55-58 My '60. (MIRA 13:8)
(Electric insulators and insulation)
(Electric lines--Overhead)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

KORSUNTSEV, A.V., kand.tekhn.nauk; MERKHALEV, S.D., inzh.

Concerning the use of high-frequency flaw detection in the preventative maintenance of the insulation of electric lines. Elek. sta. 32 no.12:30-33 D '61. (MIRA 15:1)
(Electric insulators and insulation) (Electric lines)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

S/196/62/000/004/012/023
E194/E155

AUTHORS: Kalinin, Ye.V., Merkhalev, S.D., and Ryabov, B.M.

TITLE: Breakdown voltages of air gaps of various shapes with direct and pulsating voltages

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.4, 1962, 24-25, abstract 4 E174. (Izv. N.-i. in-ta postoyan toka, no.7, 1961, 26-35).

TEXT: Breakdown voltages are given for the following gaps in air: rod-rod, rod-plate, conductor-plate, and rod-sphere with direct and pulsating voltages. The tests were carried out on a 1500 kV rectifier installation which consists of two series-connected 3-stage cascade rectifying generators each of 750 kV and also of a 1000 kV rectifier installation. Pulsating voltage tests were made with a circuit in which direct voltage was applied to one electrode of the gap and alternating to the other. The test results for the gaps are given in the table. Breakdown voltages for rod-plate and rod-rod gaps obtained in the Kiyevskiy politekhnicheskiy institut (Kiev Polytechnical Institute)

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Breakdown voltages of air gaps ... S/196/62/000/004/012/023
E194/E155

are lower than those of the NIIPT gaps by 9% with positive polarity and by 5% with negative. Up to 800 kV, breakdown voltages with pulsating and direct voltages coincide, with alternating voltage the data of the Kiev Polytechnical Institute are somewhat higher. In designing d.c. air gaps of ± 400 kV class for transmission lines it is recommended to take a gradient of 4.9% kV/cm. For d.c. transmission lines of higher voltage class the selection of air gaps requires further investigation.
8 illustrations, 2 literature references.

[Abstractor's note: Complete translation.]

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

KORBUG, Ye.V., inzh.; MERKHALEV, S.D., kand.tekhn.nauk; STANKEVICH, G.S., inzh.; Prinimal uchastiye PAVLOV, K.A.

Study of the discharge characteristics of soiled insulators. Elektrichestvo no.3:76-81 Mr '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy institut postoyannogo toka.
(Electric insulators and insulation)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

KORBUT, Ye.V.; MERKHALEV, S.D.; STANKEVICH, G.S.

Laboratory studies of the discharge characteristics of soiled insulators. Izv. NIIPT no.9:167-191 '62. (MIRA 15:12)
(Electric lines—Overhead)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKHALEV, S.D., kand.tekhn.nauk; STANKEVICH, G.S., inzh.

Duration of d.c. potential withstanding strength of suspension insulators during heavy rains. Elektrichestvo no.2:70-72 F '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut postoyannogo toka.
(Electric power distribution) (Electric lines--Overhead)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

ACCESSION NR: AT4045613 S/0000/64/000/000/0147/0153

AUTHOR: Dalinin, Ye. V. (Candidate of technical sciences, Head of a sector of laboratory for high tension techniques); Merkhaley, S. D. (Candidate of technical sciences, Senior research associate); Solomonov, N. M. (Candid- of technical sciences, Senior research associate); Tikhodeyev, N. N (Candidate of technical sciences, Head of laboratory for high tension techniques)

TITLE: Electrical characteristics of insulators used on 500 kv lines

SOURCE: Dal'niye elektroperedachi 500 kv (long-distance transmission of 500 kv. electric power); sbornik statey. Moscow, Izd-vo Energiya, 1964, 147-153

TOPIC TAGS: high voltage line, power line, electric power transmission, insulator, insulator chain, breakdown voltage, disruptive voltage, flashover

ABSTRACT: The disruptive voltages of insulator chains were measured to help select the proper insulator system for a 500 kv power line. The types of insulators investigated were the P-7, P-8, P-5, P-11 and the new alkaline glass types, PM and PS. Results obtained in the laboratory and in the field for dry insulators showed that discharge in this case takes place through the air (between shielding and support structure); the results are summarized in Fig. 1 of the Enclosure. Protective shielding increases the disruptive voltage by about 10%. For wet insulators, the discharge takes place mostly over the surface of the insulator and the disruptive voltage varies almost linearly with the number of insulators in the chain; it can

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ACCESSION NR: AT4045613

therefore be characterized by a voltage gradient E_m which generally increases with a decrease in H/D, i.e. the ratio of insulator height to the diameter of its disc. For P-type insulators with H/D = 0.63, E_m = 210 kv/m, for PM-insulators with H/D=0.51-0.55, E_m=260 kv/m. The flashover characteristics of insulator chains were then investigated at the constant voltages. These were also found to increase linearly with the number of insulators in the chain and the voltage gradient in this case varied with atmospheric conditions and the amount of dirt collected on the insulators. Correspondingly, the required number of insulators in a chain for a 500 kv line varies depending upon which criterion is used and is generally largest for a wet insulator or heavy rains (22 for P-7 insulator), the average being about 19. The impulse disruptive voltages simulating lightning conditions were investigated and it was found that for a chain of twenty P-8.5 insulators, the disruptive voltage varied between 1600 and 2500 kv depending on the polarity and presence or absence of shielding. Orig. art. has: 3 figures and 4 tables.

ASSOCIATION: Laboratoriya tekhnild vy*sokikh napryazheniy, Nauchno-issledovatel'skiy institut postoyannogo toka (Laboratory for High Tension Techniques, Scientific Research Institute for Direct Current).

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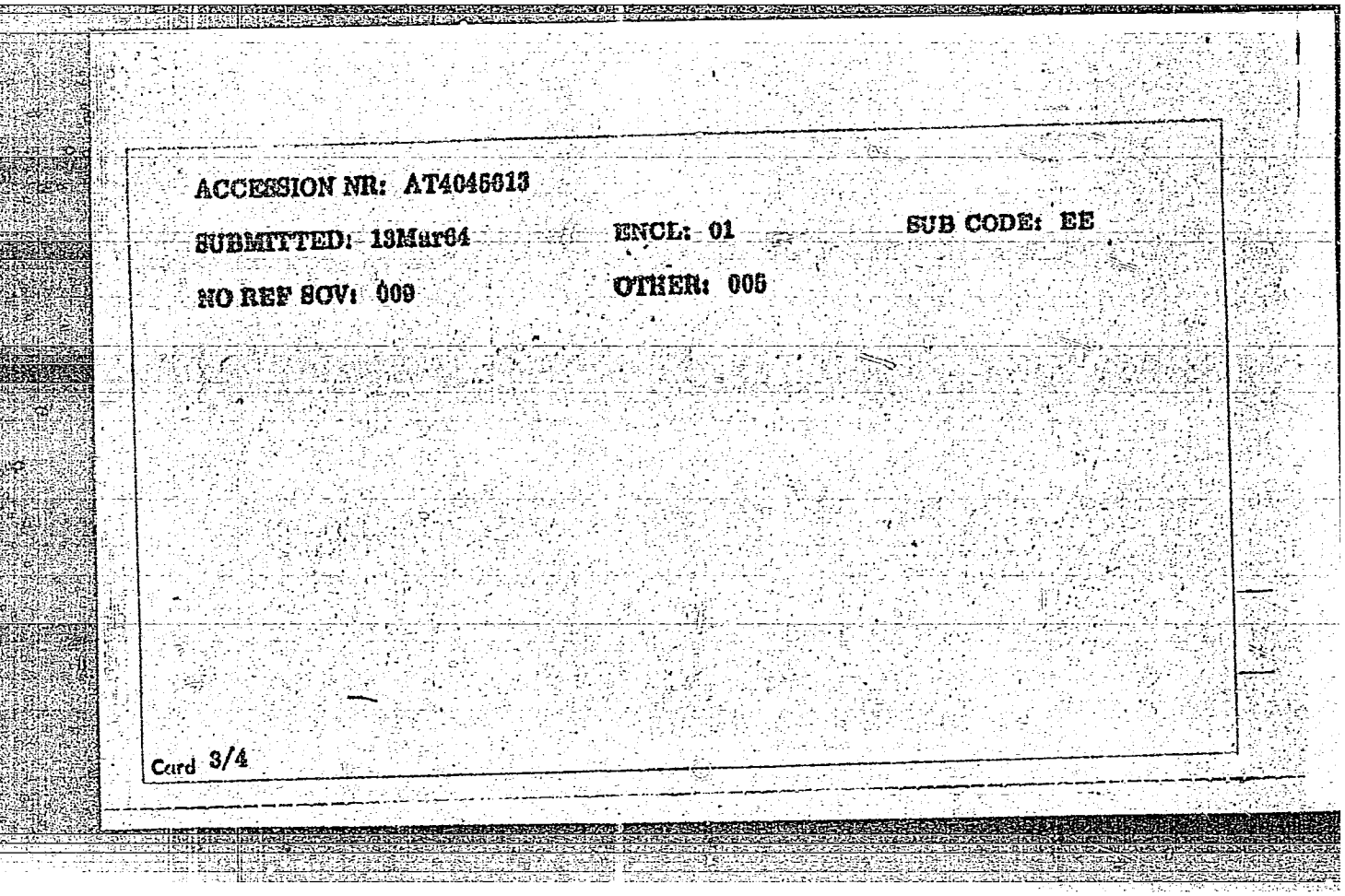

ACCESSION NR: AT4046013

SUBMITTED: 13Mar64 ENCL: 01 SUB CODE: EE

NO REF SOV: 009 OTHER: 005

Card 3/4

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ACCESSION NR: AT4045913

ENCLOSURE: 01

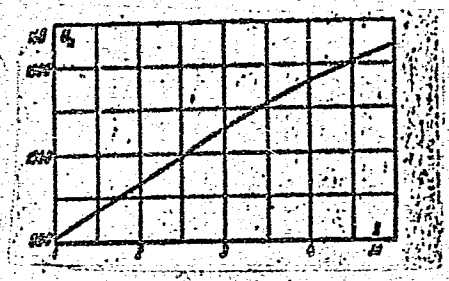

Fig. 1. Dependence of the disruptive voltage of a dry disc insulator chain with ... shielding on the length of the chain.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

KORBUT, Ye.V., inzh.; MERKHALEV, S.D., kand. tekh nauk

Effect of atmospheric precipitation on the discharge characteristics of suspension insulators. Elek. sta. 35 no.8:58-62 Ag '64.
(MIRA 17:12)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERKHALEV, S.D., Yarmol. tekh. nauk; SOLOMONIK, Ye.A., inzh.

Mechanism of the development of a discharge along the surface of solid insulators. Elek. sta. 35 no.12:5-53 D '64. (MIRA 18:2)

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